

SEQUENCE LISTING

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		gtg Val												288

		agg Arg									336
		aat Asn 115									384
		gtt Val									432
		aat Asn									480
		gtc Val									528
		agc Ser									576
		cag Gln 195									624
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		atc Ile									720
		cca Pro									768
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12132

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Ala Lys Gly Glu Glu Val Asp Val Ala Arg Ala Glu Arg Gln His Gln 45

Leu Tyr Val Gly Val Leu Gly Ser Lys Leu Gly Leu Gln Val Val Glu 50 60

Leu Pro Ala Asp Glu Ser Leu Pro Asp Cys Val Phe Val Glu Asp Val 65 70 75

Ala Val Val Cys Glu Glu Thr Ala Leu Ile Thr Arg Pro Gly Ala Pro 95 $90\,$

Ser Arg Arg Lys Glu Val Asp Met Met Lys Glu Ala Leu Glu Lys Leu 100 105 110

Gln Leu Asn Ile Val Glu Met Lys Asp Glu Asn Ala Thr Leu Asp Gly \$125\$

Gly Asp Val Leu Phe Thr Gly Arg Glu Phe Phe Val Gly Leu Ser Lys 130 140

Arg Thr Asn Gln Arg Gly Ala Glu Ile Leu Ala Asp Thr Phe Lys Asp 145 150 160

Tyr Ala Val Ser Thr Val Pro Val Ala Asp Gly Leu His Leu Lys Ser $165 \\ 170 \\ 170$

Phe Cys Ser Met Ala Gly Pro Asn Leu Ile Ala Ile Gly Ser Ser Glu $180 \ \ 180 \ \ 190$

Ser Ala Gln Lys Ala Leu Lys Ile Met Gln Gln Met Ser Asp His Arg 195 200 205

Tyr Asp Lys Leu Thr Val Pro Asp Asp Ile Ala Ala Asn Cys Ile Tyr 210 220

Leu Asn Ile Pro Asn Lys Gly His Val Leu Leu His Arg Thr Pro Glu 225 230 240

Glu Tyr Pro Glu Ser Ala Lys Val Tyr Glu Lys Leu Lys Asp His Met 245 250 255

Leu Ile Pro Val Ser Met Ser Glu Leu Glu Lys Val Asp Gly Leu Leu 260 265 270

Thr Cys Cys Ser Val Leu Ile Asn Lys Lys Val Asp Ser 275 \$280\$

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ggc atg ggg gga cct cgc act gtt gtg gca ggc agc agc gac gct gcc

Gly Met Gly Gly Pro Arg Thr Val Val Ala Gly Ser Ser Asp Ala Ala 180 185 190

caa aag gct gtc cgg gca atg gca gtg ctg aca gat cac cca tat gcc

Gln Lys Ala Val Arg Ala Met Ala Val Leu Thr Asp His Pro Tyr Ala 195 200 205 576

624

tcc c Ser L 2																672
cct g Pro G 225	ggg 1	ttg Leu	cct Pro	ggt Gly	gtg Val 230	ccc Pro	cct Pro	ttc Phe	ctc Leu	ctg Leu 235	cac His	cgt Arg	gga Gly	ggt Gly	ggg Gly 240	720
gat c Asp L																768
ctg g Leu V																816
agc t Ser S	Ger 1												tga			858
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Leu P		Ala 35	Leu	Asp	Leu	Ala	Lys 40	Ala	Gln	Arg	Glu	His 45	Gly	Val	Leu	
Gly G	31y 1 50	Lys	Leu	Arg	Gln	Arg 55	Leu	Gly	Leu	Gln	Leu 60	Leu	Glu	Leu	Pro	
Pro G 65	Glu (Glu	Ser	Leu	Pro 70	Leu	Gly	Pro	Leu	Leu 75	Gly	Asp	Thr	Ala	Val 80	
Ile G	Gln (Gly	Asp	Thr 85	Ala	Leu	Ile	Thr	Arg 90	Pro	Trp	Ser	Pro	Ala 95	Arg	
Arg P	Pro (Glu	Val 100	Asp	Gly	Val	Arg	Lys 105	Ala	Leu	Gln	Asp	Leu 110	Gly	Leu	
Arg I		Val 115	Glu	Ile	Gly	Asp	Glu 120	Asn	Ala	Thr	Leu	Asp 125	Gly	Thr	Asp	
Val L	Leu 1	Phe	Thr	Gly	Arg	Glu 135	Phe	Phe	Val	Gly	Leu 140	Ser	Lys	Trp	Thr	
Asn H						_	_								_	

Val S	er	Thr	Val	Pro 165	Val	Ser	Gly	Pro	Ser 170	His	Leu	Arg	Gly	Leu 175	Cys	
Gly M	let	Gly	Gly 180	Pro	Arg	Thr	Val	Val 185	Ala	Gly	Ser	Ser	Asp 190	Ala	Ala	
Gln L		Ala 195	Val	Arg	Ala	Met	Ala 200	Val	Leu	Thr	Asp	His 205	Pro	Tyr	Ala	
Ser L	eu 10	Thr	Leu	Pro	Asp	Asp 215	Ala	Ala	Ala	Asp	Cys 220	Leu	Phe	Leu	Arg	
Pro G 225	ly	Leu	Pro	Gly	Val 230	Pro	Pro	Phe	Leu	Leu 235	His	Arg	Gly	Gly	Gly 240	
Asp L	eu	Pro	Asn	Ser 245	Gln	Glu	Ala	Leu	Gln 250	Lys	Leu	Ser	Asp	Val 255	Thr	
Leu V	al	Pro	Val 260	Ser	Cys	Ser	Glu	Leu 265	Glu	Lys	Ala	Gly	Ala 270	Gly	Leu	
Ser S		Leu 275	Cys	Leu	Val	Leu	Ser 280	Thr	Arg	Pro	His	Ser 285				
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gaa g Slu G																96
gcc c Ala L	eu															144
gg g Trp G																192
tta a					atc	atc	gtg	ttc	cgc	aac			ctg	atc	acg	240
Phe V 65									Arg	Asn 75	Val	Ala	Leu	Ile		

. .

85 90 95

			aac tgg gtg Asn Trp Val		
	Gly Gly As		atc ggc gac Ile Gly Asp		
			ggt gtc cag Gly Val Gln 140		
		/ Ala Arg Val	gtc gcc gtg Val Ala Val 155		
			gcg ctg ccg Ala Leu Pro 170	Asp Gly '	
			ccc tcg ctg Pro Ser Leu		
	Pro Glu Gl		g cac gtg gtg His Val Val		
			ccc aag acg Pro Lys Thr 220		
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Glu Gly Leu	Val Thr Hi: 20	Val Glu Arg 25	Glu Gln Val	Asp His (Gly Leu

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Trp Glu Thr Leu Glu Val Asp Pro Ala Glu Tyr Cys Pro Asp Ser $50 \\$	Val
Phe Val Glu Asp Ala Val Val Val Phe Arg Asn Val Ala Leu Ile 65 75	Thr 80
Arg Pro Gly Ala Glu Ser Arg Arg Ala Glu Thr Ala Gly Val Glu 95 $$90$	Glu
Ala Val Ala Arg Leu Gly Cys Ser Val Asn Trp Val Trp Glu Pro 100 105 110	Gly
Thr Leu Asp Gly Gly Asp Val Leu Lys Ile Gly Asp Thr Ile Tyr 115 120 125	Val
Gly Arg Gly Gly Arg Thr Asn Ala Ala Gly Val Gln Gln Leu Arg 130 135	Ala
Ala Phe Glu Pro Leu Gly Ala Arg Val Val Ala Val Pro Val Ser 145 150	Lys 160
Val Leu His Leu Lys Ser Ala Val Thr Ala Leu Pro Asp Gly Th 165 170	Val
Ile Gly His Ile Pro Leu Thr Asp Val Pro Ser Leu Phe Pro Arc 180 185	g Phe
Leu Pro Val Pro Glu Glu Ser Gly Ala His Val Val Leu Leu Gl 195 200 205	y Gly
Ser Arg Leu Leu Met Ala Ala Ser Ala Pro Lys Thr Ala Glu Le 210 220	u Leu
Ala Asp Leu Gly His Glu Pro Val Leu Val Asp Ile Gly Glu Ph 225 230 235	e Glu 240
Lys Leu Glu Gly Cys Val Thr Cys Leu Ser Val Arg Leu Arg Gl 245 250	u Leu 5
Tyr Asp	
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ctg Leu								96
cag Gln								144
acc Thr 50								192
gac Asp								240
gcc Ala								288
cgc Arg								336
gaa Glu								384
tcg Ser 130								432
gag Glu								480
cac His								528
gcc Ala								576
gag Glu								624
gaa Glu 210								672
gcc Ala								720

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<213> P. aeruginosa

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Glu Gln His Asn Ala Tyr Ile Arg Ala Leu Gln Thr Cys Asp Val Asp 35 40 45

Ile Thr Leu Leu Pro Pro Asp Glu Arg Phe Pro Asp Ser Val Phe Val 50 60

Glu Asp Pro Val Leu Cys Thr Ser Arg Cys Ala Ile Ile Thr Arg Pro 65 70 75 80

Gly Ala Glu Ser Arg Arg Gly Glu Thr Glu Ile Ile Glu Glu Thr Val $85 \\ 90 \\ 95$

Val Glu Ala Gly Asp Ile Met Met Val Gly Asp His Phe Tyr Ile Gly

Glu Ser Ala Arg Thr Asn Ala Glu Gly Ala Arg Gln Met Ile Ala Ile 130 \$135\$

Leu Glu Lys His Gly Leu Ser Gly Ser Val Val Arg Leu Glu Lys Val 145 $$ $$

Leu His Leu Lys Thr Gly Leu Ala Tyr Leu Glu His Asn Asn Leu Leu 165 170 175

Ala Ala Gly Glu Phe Val Ser Lys Pro Glu Phe Gln Asp Phe Asn Ile 180 \$180\$

Ile Glu Ile Pro Glu Glu Glu Ser Tyr Ala Ala Asn Cys Ile Trp Val\$195\$ 200 205

Asn Glu Arg Val Ile Met Pro Ala Gly Tyr Pro Arg Thr Arg Glu Lys $210 \hspace{1.5cm} 225 \hspace{1.5cm} 220 \hspace{1.5cm}$

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Arg Lys Ile Asp Gly Gly Val Ser Cys Met Ser Leu Arg Phe

245 250

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ctg cgc aaa gtg atg gtc tgc tcg ccc gga ctc gcc cac cag cgc ctg Leu Arg Lys Val Met Val Cys Ser Pro Gly Leu Ala His Gln Arg Leu 20 25 30	96
acc ccg agc aac tgc gac gag ttg ctg ttc gac gac gtg atc tgg gtg Thr Pro Ser Asn Cys Asp Glu Leu Leu Phe Asp Asp Val Ile Trp Val $$35\ 40\ 45\ $	144
aac cag gcc aag cgc gac cac ttc gac ttc gtc acc aag atg cgc gag Asn Gln Ala Lys Arg Asp His Phe Asp Phe Val Thr Lys Met Arg Glu 50 55 60	192
cgc ggc atc gac gtc ctc gag atg cac aat ctg ctg acc gag acc atc Arg Gly Ile Asp Val Leu Glu Met His Asn Leu Leu Thr Glu Thr Ile 65 70 75 80	240
cag aac ccg gaa gcg ctg aag tgg atc ctc gat cgc aag atc acc gcc Gln Asn Pro Glu Ala Leu Lys Trp Ile Leu Asp Arg Lys Ile Thr Ala 85 90 95	288
gac agc gtc ggc ctg ggc ctg acc agc gag ctg cgc tcc tgg ctg gag Asp Ser Val Gly Leu Gly Leu Thr Ser Glu Leu Arg Ser Trp Leu Glu $100 \hspace{1.5cm} 105 \hspace{1.5cm} 110$	336
age ctg gag ccg cgc aag ctg gcc gag tac ctg atc ggc ggc gtc gcc Ser Leu Glu Pro Arg Lys Leu Ala Glu Tyr Leu Ile Gly Gly Val Ala 115 120 125	384
gct gac gac ctg ccc gcc agc gaa ggc gcc aac atc ctc aag atg tac Ala Asp Asp Leu Pro Ala Ser Glu Gly Ala Asn Ile Leu Lys Met Tyr 130 135 140	432
cgc gag tac ctg ggc cat tcc agc ttc ctg ctg ccg ccg ttg ccg aac Arg Glu Tyr Leu Cly His Ser Ser Phe Leu Leu Pro Pro Leu Pro Asn 145 150 155 160	480
acc cag ttc acc cgc gac acc act tgc tgg atc tac ggc ggc gtg acc Thr Gln Phe Thr Arg Asp Thr Thr Cys Trp Ile Tyr Gly Gly Val Thr $165 \hspace{1.5cm} 170 \hspace{1.5cm} 175$	528
ctg aac ccg atg tac tgg ccg gcg cga cga cag gaa acc ctg ctg acc	576

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												tcg Ser				672
												ctg Leu				720
												gcc Ala				768
												ggc Gly				816
												ttc Phe 285				864
												atc Ile				912
												aac Asn				960
												ctc Leu				1008
												gcc Ala				1056
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gac tac tga 1257 Asp Tyr

<210> 10

<211> 418

<212> PRT

<213> P. aeruginosa

<400> 10

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Leu Arg Lys Val Met Val Cys Ser Pro Gly Leu Ala His Gln Arg Leu 20 25 . 30

Thr Pro Ser Asn Cys Asp Glu Leu Leu Phe Asp Asp Val Ile Trp Val 35 40 45

Asn Gln 7.1a Lys Arg Asp His Phe Asp Phe Val Thr Lys Met Arg Glu 50 55

Arg Gly Ile Asp Val Leu Glu Met His Asn Leu Leu Thr Glu Thr Ile 65 70 75 80

Gln Asn Pro Glu Ala Leu Lys Trp Ile Leu Asp Arg Lys Ile Thr Ala $85 \hspace{1.5cm} 90 \hspace{1.5cm} 95$

Asp Ser Val Gly Leu Gly Leu Thr Ser Glu Leu Arg Ser Trp Leu Glu 100 105 110

Ser Leu Glu Pro Arg Lys Leu Ala Glu Tyr Leu Ile Gly Gly Val Ala 115 \$120\$

Ala Asp Asp Leu Pro Ala Ser Glu Gly Ala Asn Ile Leu Lys Met Tyr 130 135 140

Arg Glu Tyr Leu Gly His Ser Ser Phe Leu Leu Pro Pro Leu Pro Asn 145 $$ 150 $$ 150 $$ 155 $$ 160

Thr Gln Phe Thr Arg Asp Thr Thr Cys Trp Ile Tyr Gly Gly Val Thr

Leu Asn Pro Met Tyr Trp Pro Ala Arg Arg Gln Glu Thr Leu Leu Thr 180 185 190

Thr Ala Ile Tyr Lys Phe His Pro Glu Phe Ala Asn Ala Glu Phe Glu
195 200 205

Ile Trp Tyr Gly Asp Pro Asp Lys Asp His Gly Ser Ser Thr Leu Glu 210 215 220

Gly Gly Asp Val Met Pro Ile Gly Asn Gly Val Val Leu Ile Gly Met 225 230 235 240

-				×													
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	Phe	Ala	Lys	Gly 260	Ala	Ala	Glu	Arg	Val 265	Ile	Val	Ala	Gly	Leu 270	Pro	Lys	
	Ser	Arg	Ala 275	Ala	Met	His	Leu	Asp 280	Thr	Val	Phe	Ser	Phe 285	Cys	Asp	Arg	
	Asp	Leu 290	Val	Thr	Val	Phe	Pro 295	Glu	Val	Val	Lys	Glu 300	Ile	Val	Pro	Phe	
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	Lys	Leu	Arg	Val 340	val	Glu	Thr	Gly	Gly 345	Asn	Ser	Phe	Ala	Ala 350	Glu	Arg	
	Glu	Gln	Trp 355	Asp	Asp	Gly	Asn	Asn 360	Val	Val	Cys	Leu	Glu 365	Pro	Gly	Val	
	Val	Val 370	Gly	Tyr	Asp	Arg	Asn 375	Thr	Tyr	Thr	Asn	Thr 380	Leu	Leu	Arg	Lys	
	Ala 385	Gly	Val	Glu	Val	Ile 390	Thr	Ile	Ser	Ala	Ser 395	Glu	Leu	Gly	Arg	Gly 400	
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	tcaa	accc	ctg (gatg	gacg	c a	ccgc	gcca	g to	gacgi	cca	agt	egege	caa	gcac	agtggg	240
	agca	acct	cca (ccag	acct	at c	ttcg	gcta	g gc	cacag	gcgt	gga	ctg	atc :	gagc	ccattt	300
	ccg	ggtt	acc q	ggac	atgg	g ta	acac	cgcc	a ac	ggtg	ggtt	cat	gcg	cac	gaca	tegeeg	360
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ggt	ctat	ca d	cctg	gacad	ce go	gctg	gcc	g tg	ctcga	acga	ccad	acga	atc	gccta	actacc	660
cgc	ggc	gtt d	cagta	acggo	ca go	gcaç	ggaad	agt	ttgt	ggc	gct	gtted	cc	gacgo	gattg	720
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tag	gett	cc (ggtc	gegge	cc at	gggt	ttt	g cg	gegea	agtt	acgo	gcag	gee	ggctt	cgage	840
cgg	cggt	igt (egato	etgto	ec ga	agcto	getea	a ag	ggcg	gegg	ttc	gtca	aag	tgct	gcacgc	900
tgg	agata	aca d	ccat	gaca	aa at	ctc	gegga	a tg	ccact	cag	gcca	actai	gg	cacto	ggtcga	960
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Arg	Leu	Gly 35	Ser	Pro	Ala	Arg	Arg 40	Thr	Pro	Arg	Thr	Arg 45	Arg	Tyr	Ala	
Met	Thr 50	Pro	Pro	Ala	Phe	Phe 55	Ala	Val	Ala	Tyr	Ala 60	Ile	Asn	Pro	Trp	
Met 65	Asp	Val	Thr	Ala	Pro 70	Val	Asp	Val	Gln	Val 75	Ala	Gln	Ala	Gln	Trp 80	
Glu	His	Leu	His	Gln 85	Thr	Tyr	Leu	Arg	Leu 90	Gly	His	Ser	Val	Asp 95	Leu	
Ile	Glu	Pro	Ile 100	Ser	Gly	Leu	Pro	Asp 105	Met	Val	Tyr	Thr	Ala 110	Asn	Gly	
Gly	Phe	Ile 115	Ala	His	Asp	Ile	Ala 120	Val	Val	Ala	Arg	Phe 125	Arg	Phe	Pro	
Glu	Arg 130	Ala	Gly	Glu	Ser	Arg 135	Ala	Tyr	Ala	Ser	Trp 140	Met	Ser	Ser	Val	
Gly 145	Tyr	Arg	Pro	Val	Thr 150	Thr	Arg	His	Val	Asn 155	Glu	Gly	Gln	Gly	Asp 160	
T.ess	T.011	Met	Wa?	Gly	Glu	λrα	17a1	T.011	λ1 s	G1v	Tur	Glv	Dhe	Ara	Thr	

165 170 175

Asp Gln Arg Ala His Ala Glu Ile Ala Ala Val Leu Gly Leu Pro Val 180 185 190

Val Ser Leu Glu Leu Val Asp Pro Arg Phe Tyr His Leu Asp Thr Ala 195 200 205

Leu Ala Val Leu Asp Asp His Thr Ile Ala Tyr Tyr Pro Pro Ala Phe 210 215 220

Ser Thr Ala Ala Gln Glu Gln Leu Ser Ala Leu Phe Pro Asp Ala Ile 225 230 235 240

Val Val Gly Ser Ala Asp Ala Phe Val Phe Gly Leu Asn Ala Val Ser 245 250 255

Asp Gly Leu Asn Val Val Leu Pro Val Ala Ala Met Gly Phe Ala Ala 260 265 270

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Leu Leu Lys Gly Gly Gly Ser Val Lys Cys Cys Thr Leu Glu Ile His

Pro 305

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<400> 13

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Arg Thr Pro Arg Thr Arg Arg Tyr Ala Met Thr Pro Pro Ala Phe Phe 20 25 30

Ala Val Ala Tyr Ala Ile Asn Pro Trp Met Asp Val Thr Ala Pro Val

Asp Val Gln Val Ala Gln Ala Gln Trp Glu His Leu His Gln Thr Tyr 50

Leu Arg Leu Gly His Ser Val Asp Leu Ile Glu Pro Ile Ser Gly Leu 65 70 75 80

Pro Asp Met Val Tyr Thr Ala Asn Gly Gly Phe Ile Ala His Asp Ile 85 90 95

Ala Val Val Ala Arg Phe Arg Phe Pro Glu Arg Ala Gly Glu Ser Arg 100 105 110

Ala Tyr Ala Ser Trp Met Ser Ser Val Gly Tyr Arg Pro Val Thr Thr

115 120 125

Arg His Val Asn Glu Gly Gln Gly Asp Leu Leu Met Val Gly Glu Arg 130 135 140

Val Leu Ala Gly Tyr Gly Phe Arg Thr Asp Gln Arg Ala His Ala Glu 145 150 160

Ile Ala Ala Val Leu Gly Leu Pro Val Val Ser Leu Glu Leu Val Asp 165 170 175

Pro Arg Phe Tyr His Leu Asp Thr Ala Leu Ala Val Leu Asp Asp His 180 185

Thr Ile Ala Tyr Tyr Pro Pro Ala Phe Ser Thr Ala Ala Glu Glu Glu 195 200 205

Leu Ser Ala Leu Phe Pro Asp Ala Ile Val Val Gly Ser Ala Asp Ala 210 215 220

Phe Val Phe Gly Leu Asn Ala Val Ser Asp Gly Leu Asn Val Val Leu 225 230 235

Pro Val Ala Ala Met Gly Phe Ala Ala Gln Leu Arg Ala Ala Gly Phe 245 250 255

Glu Pro Val Gly Val Asp Leu Ser Glu Leu Leu Lys Gly Gly Ser $260 \\ 265 \\ 270$

Val Lys Cys Cys Thr Leu Glu Ile His Pro 275 280

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<211> 285 <212> PRT

<213> Rattus norvegicus

<400> 14

Met Ala Gly Leu Ser His Pro Ser Val Phe Gly Arg Ala Thr His Ala

Val Val Arg Ala Pro Pro Glu Ser Leu Cys Arg His Ala Leu Arg Arg 20 25 30

Ser Gln Gly Glu Val Asp Phe Ala Arg Ala Glu Arg Gln His Gln $_{\mbox{\footnotesize 35}}$

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Leu Pro Ala Asp Glu Ser Leu Pro Asp Cys Val Phe Val Glu Asp Val 65 70 75 80

Ala Val Val Cys Glu Glu Thr Ala Leu Ile Thr Arg Pro Gly Ala Pro 85 90 95

Ser	Arg	Arg	Lys 100	G1u	Val	Asp	Met	Met 105	Lys	Glu	Ala	Leu	Glu 110	Lys	Leu
Gln	Leu	Asn 115	Ile	Val	Glu	Met	Lys 120	Asp	Glu	Asn	Ala	Thr 125	Leu	Asp	Gly
Gly	Asp 130	Val	Leu	Phe	Thr	Gly 135	Arg	Glu	Phe	Phe	Val 140	G1y	Leu	Ser	Lys
Arg 145	Thr	Asn	Gln	Arg	Gly 150	Ala	Glu	Ile	Leu	Ala 155	Asp	Thr	Phe	Lys	Asp 160
Tyr	Ala	Val	Ser	Thr 165	Val	Pro	Val	Ala	Asp 170	Ser	Leu	His	Leu	Lys 175	Ser
Phe	Cys	Ser	Met 180	Ala	Gly	Pro	Asn	Leu 185	Ile	Ala	Ile	Gly	Ser 190	Ser	G1u
Ser	Ala	Gln 195	Lys	Ala	Leu	Lys	Ile 200	Met	G1n	G1n	Met	Ser 205	Asp	His	Arg
Tyr	Asp 210	Lys	Leu	Thr	Val	Pro 215	Asp	Asp	Met	Ala	Ala 220	Asn	Cys	Ile	Tyr
Leu 225	Asn	Ile	Pro	Ser	Lys 230	Gly	His	Val	Leu	Leu 235	His	Arg	Thr	Pro	G1u 240
G1u	Tyr	Pro	Glu	Ser 245	Ala	Lys	Va1	Tyr	G1u 250	Lys	Leu	Lys	Asp	His 255	Leu
Leu	Ile	Pro	Val 260	Ser	Asn	Ser	Glu	Met 265	Glu	Lys	Val	Asp	Gly 270	Leu	Leu
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Gly	Leu 50	His	Leu	Lys	Ser	Phe 55	Cys	Ser	Met	Ala	Gly 60	Pro	Asn	Leu	Ile
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- Asp Ser Val Gly Leu Gly Leu Thr Ser Glu Leu Arg Ser Trp Leu Glu 100 105 110
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- Ala Asp Asp Leu Pro Ala Ser Glu Gly Ala Asn Ile Leu Lys Met Tyr 130 135 140
- Arg Glu Tyr Leu Gly His Ser Ser Phe Leu Leu Pro Pro Leu Pro Asn 145 150 155 160
- Thr Gln Phe Thr Arg Asp Thr Thr Cys Trp Ile Tyr Gly Gly Val Thr 165 170 175
- Leu Asn Pro Met Tyr Trp Pro Ala Arg Arg Gln Glu Thr Leu Leu Thr
- Thr Ala Ile Tyr Lys Phe His Pro Glu Phe Ala Asn Ala Glu Phe Glu 195 200 205
- Ile Trp Tyr Gly Asp Pro Asp Lys Asp His Gly Ser Ser Thr Leu Glu 210 215 220
- Gly Gly Asp Val Met Pro Ile Gly Asn Gly Val Val Leu Ile Gly Met 225 \$230\$
- Phe Ala Lys Gly Ala Ala Glu Arg Val Ile Val Ala Gly Leu Pro Lys $260 \hspace{1.5cm} 265 \hspace{1.5cm} 270 \hspace{1.5cm}$
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- Asp Leu Val Thr Val Phe Pro Glu Val Val Lys Glu Ile Val Pro Phe
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